

TABLE 3

No.			a1	a2	a3	a4	a5	Agglutinin test	Neutralizing activity
1			Phe	Tyr	Arg	Lys	Ala	*	*
2			Tyr	Arg	Arg	Ala	Ala		*
3			Trp	Trp	Glu	Ala	Ala	*	
4			Tyr	Gln	Glu	Ala	Ala	*	*
5			Gly	Tyr	Tyr	Lys	Ala	*	*
6			Trp	Trp	Lys	Ala	Ala	*	
7			Tyr	Tyr	Arg	Ala	Ala		*
8			Phe	Arg	Lys	Ala	Ala		*
9			Tyr	Tyr	Lys	Lys	Ala		*
10			Tyr	Tyr	Lys	Leu	Leu		
11			Tyr	Arg	Lys	Ala	Ala	*	*
12			Tyr	Tyr	Lys	Ala	Ala	*	*
13			Arg	Tyr	Lys	Ala	Ala	*	
14			Phe	Tyr	Arg	Ala	Ala		*
15			Tyr	Ala	Lys	Ala	Ala	*	
16			Tyr	Tyr	Glu	Ala	Ala		
17			Tyr	Trp	Lys	Ala	Ala	*	
18		Gly	Tyr	Tyr	Lys	Ala	Ala	*	
19			Trp	Tyr	Lys	Ala	Ala	*	
20			Tyr	Gln	Lys	Ala	Ala	*	
21			His	Tyr	Lys	Ala	Ala	*	
22			Tyr	Arg	Tyr	Ala	Ala	*	*
23			Tyr	Tyr	Met	Ala	Ala		*
24			Tyr	Val	Lys	Ala	Ala		
25		Gly	Tyr	Ala	Tyr	Arg	Lys	*	
26			Arg	Arg	Trp	Ala	Tyr	*	*
27		Arg	Tyr	Tyr	Lys	Ala	Ala	*	

Nos. 1-17, 19-24 and 26 of Table 3 correspond to SEQ ID No. 4.

No. 18 of Table 3 corresponds to SEQ ID No. 9.

No. 25 of Table 3 corresponds to SEQ ID No. 10.

No. 27 of Table 3 corresponds to SEQ ID No. 11.

TABLE 4

No.		a1	a2	a3	a4	a5	Agglutinin test	Neutralizing activity
28		Tyr	Lys	Lys	Ala	Ala	*	
29		Tyr	His	Lys	Ala	Ala	*	*
30		Asp	Tyr	Lys	Ala	Ala	*	
31		Tyr	Tyr	Lys	Trp	Ala	*	
32		Tyr	Tyr	Lys	Gly	Ala	*	
33		Tyr	Tyr	Lys	Ala	Gly	*	
34		Tyr	Tyr	Lys	Lys	Ala	*	
35		Tyr	Tyr	Lys	Val	Ala	*	
36		Tyr	Tyr	Lys	Ile	Ala	*	
37		Tyr	Tyr	Lys	Ser	Ala	*	
38		Tyr	Tyr	Lys	Thr	Ala	*	
39		Tyr	Tyr	Lys	Met	Ala	*	
40		Tyr	Tyr	Lys	Gln	Ala	*	
41		Tyr	Tyr	Lys	Asn	Ala	*	
42		Tyr	Tyr	Lys	His	Ala	*	
43		Tyr	Tyr	Lys	Phc	Ala	*	
44		Tyr	Tyr	Lys	Trp	Ala	*	
45		Tyr	Tyr	Lys	Arg	Ala	*	
46		Tyr	Tyr	Lys	Ala	Val	*	
47		Tyr	Tyr	Lys	Ala	Ile	*	
48		Tyr	Tyr	Lys	Ala	Ser	*	
49		Tyr	Tyr	Lys	Ala	Thr	*	
50		Tyr	Tyr	Lys	Ala	Met	*	
51		Tyr	Tyr	Lys	Ala	Gln	*	
52		Tyr	Tyr	Lys	Ala	Asn	*	
53		Tyr	Tyr	Lys	Ala	His	*	
54		Tyr	Tyr	Lys	Ala	Phc	*	
55		Tyr	Tyr	Lys	Ala	Trp	*	
56		Tyr	Tyr	Lys	Ala	Arg	*	

Nos. 28-56 of Table 4 correspond to SEQ ID No. 4

A sign of each amino acid formula shows the amino acid residue by the internationally approved characters, the details are as follows:

Tyr: Tyrosine

Lys: Lysine

Trp: Tryptophan

Arg: Arginine

Glu: Glutamic acid
Gln: Glutamine
His: Histidine
Ala: Alanine
Phe: Phenylalanine
Gly: Glycine
Met: Methionine
Asp: Aspartic Acid
Asn: Asparagine
Val: Valine
Ser: Serine
Cys: Cysteine
Thr: Threonine
Ile: Isoleucine
Leu: Leucine
Pro: Proline

A peptide having such an amino acid sequence shows a superior affinity to gp120, and can be utilized effectively as an anti-HIV medicine by taking a form of chemical compound or composition shown as follows.

A compound of this invention is matter that binds a high molecular chemical compound and/or medicinal activator functional group, and this invention includes the salts to be admitted as medicine.

For example, as pharmaceutically acceptable salts here, following intoxicant salts in